



SEQUENCE LISTING

<110> Sugimoto, Mayumi

Furuoka, Hidefumi

Sugimoto, Yoshikazu

<120> Gene Diagnosis for Bovine Hsp70 Deficiency

<130> 03279/HG

<140> US 10/609,181

<141> 2003-06-26

<160>8

<210>1

<211>12988

<212>DNA

<213>Bovine

<400>1

acgtcgttga tcctgtgggc cgttttcagg tttgaagctt atctcggagc cgaaaaggca 60
gggcaccggc atggcgaaaa acatggctat cggcacgcac ctgggcacca cctactcctg 120
cgtaggggtg ttccagcacg gcaaggtgga gatcatcgcc aacgaccagg gcaaccgcac 180
cacccccagc tacgtggcct tcaccgatac cgagcggctc atcggcgatg cggccaagaa 240
ccaggtggcg ctgaaccgc agaacacggt gttcgacgcg aagcggctga tcggccgcaa 300
gttcggagac cgggtggtgc agtcggacat gaagcactgg cttttccgcg tcatcaacga 360
cggagacaag cctaagggtc aggtgagcta caaaggggag accaaggcgt tctaccgga 420
ggagatctcg tcgatggtgc tgaccaagat gaaggagatc gccgaggcgt acctgggcca 480
cccggtgacc aacgcggtga tcaccgtgcc ggcctacttc Aacgactcgc agcggcaggc 540
caccaaggac gcgggggtga tcgcggggct gaacgtgctg aggatcatca acgagccac 600
ggccgccgcc atgcctacg gcctggacag gacgggcaag ggggagcgca acgtgctcat 660
ctttgatctg ggagggggca cgttcgacgt gtccatcctg acgatcgacg acggcatctt 720
cgaggtgaag gccacggcgc gggacacgca cctgggcggg gaggacttcg acaacaggct 780
ggtgaaccac ttcgtggagg agttcaagag gaagcacaag aaggacatca gccagaacaa 840

gcgggccgtg aggcggctgc gcaccgcatg cgagcgggcc aagagaacct tgtcgtccag 900
 caccaggcc agcctggaga tcgactccct gttcgagggc atcgacttct acacgtccat 960
 caccagggcg cggttcgagg agctgtgctc cgacctgttc cggagcacc tggagcccgt 1020
 ggagaaggcg ctacgcgacg ccaagctgga caaggcgcag atccacgacc tggtcctggt 1080
 ggggggctcc acccgcatcc ccaaggtgca gaagctgctg caggacttct tcaacgggcg 1140
 cgacctcaac aagagcatca acccgcagga ggcggtggcg tacggggcgg cggtgcaggc 1200
 ggccatcctg atgggggaca agtcggagaa cgtgcaggac ctgctgttg tggacgtggc 1260
 tcccctgtcg ctgggactgg agacggccgg aggcgtgatg accgccctga tcaagcgcaa 1320
 ctccaccatc cccacgaagc agacgcagat cttcaccacc tactcggaca accagccggg 1380
 cgtgctgacg caggtgtacg agggcgagag ggccatgacg cgggacaaca acctgctggg 1440
 gcgcttcgag ctgagcggca tcccgccggc ccgcggggg gtgcccaga tcgaggtgac 1500
 cttcgacatc gacgccaatg gcatcctgaa cgtcacggcc acggacaaga gcacgggcaa 1560
 ggccaacaag atcaccatca ccaacgacaa gggccggctg agcaaggagg agatcgagcg 1620
 catggtgcag gaggcggaaa agtacaaggc ggaggacgag gtccagcgcg agagggtgtc 1680
 tgccaagaac gcgctggagt cgtacgcctt caacatgaag agcgccgtgg aggatgaggg 1740
 gctgaagggc aagatcagcg aggcggacaa gaagaagggtg ctggacaagt gccaggaggt 1800
 gatttcctgg ctggacgcca acaccttggc ggagaaggac gagtttgagc acaagaggaa 1860
 ggagctggag caggtgtgta accccatcat cagcagactg taccaggggg cgggcggccc 1920
 cggggctggc ggctttgggg ctcaggggccc taaagggggc tctgggtctg gcccaccat 1980
 tgaggaggtg gattaggaat cttccctgg attgctcatg tttgttatgg agactgttgg 2040
 gatccaaggc tttgcattgc cttatatatc ttctttcat cagccatcag ctatgcaagc 2100
 tgtttgagat gttgaactgt cccttttatg aaattaggaa ctctttttc cagagtctta 2160
 agtatagagc tgaatgtata gtgccatctt ttgtcagttt cttttttag tattcatgcc 2220
 aaactcaagc tatttttcac ccgtttctgt ttacttccaa gtaaataaac tcaataaatt 2280
 cgagtgatgt ttgcttctgt gtttttattt tgaagttaga aggatctgta gaggttgtct 2340
 gttttacagt atccaaaaat gaactgcaat tggcctctta gataaggta gggatccaga 2400
 aaagaataca gcattatgac acatttcttt taggcaata gtatccttgg gaaacataaa 2460
 gctgctcatt tgaatggtt tgtttgtgaa tccagaaaat gttaagggtt actggcatgg 2520
 tagcctcaag gttgggcggg gggtcatac ttacgggtg aactcaaaag gtgcctgtag 2580

tggcagtatt cctggagaag caggcaaata agaggcagtt agattggaag tcatgggtgc 2640
tgctgcttgt tagtacaggt gataccttag agccttggtta cttaatctag attcagcatg 2700
aaagagaagg tgagtcctaa attggcactg aggaaatgtg aattctagta ctggcttgcc 2760
taattatgca tgattgcgtt agccactgtg atcctcaagt ctcacagttt aaaatggaag 2820
ggtttggcct gatgctaaag ttttaatttct taaaagaatg ctgagataaa aatgctgcgt 2880
ttccagtact ggttacctac attttaagta tcccagttag taccttagag aggtgtcact 2940
gtttcatgcc ccagcaggag gacggacccc cagtatttca gtgtgcttac ctaccaggta 3000
ctgtaccagg ggccttttac atgtttatta attcccattc caccatattg agtataggca 3060
gtgtttggct tccacagggtg gacgtatgtg gagacttaaa aggcaactggc ttaaatttat 3120
tacaagggtg aaaaaacggg ttcagggaag atgttgaacc tggattccaa ctgaggtttt 3180
attgtttttt gctctgctgc ccacagggtt ttgtgcatgt ctggttcttg gtctacccta 3240
ggtttcacaa tcggtaatct ttctgctttg acaatgtata atcctaaaca actatgtcag 3300
ataatacggg taatgctaga ggtttaatac tggttaattt agaagagtga ttgaaaaaac 3360
ctgcagcact gcaccaggaa gccttaacca caggcttcct tcccctgcag atgcttcttg 3420
ctttaactgt tgctagaatt ctgggaagag tcccctccac agcctgtttg tgggaaaagg 3480
cctggcaciaa tcctcacgac ttggggagtg agccccttta aaaggcaatt ttatctgggg 3540
attacagaga ttctggaacc aggtggaagt ggtgattgca caaactgggc tagggaccac 3600
taaattctac actttaaaat ggtttatgtg aattcaccaa aagtagtttt taaaaaaaaa 3660
ttgtgtcaac attctggaag aacactttgt gagtgtgtgt atctcaaggc ccaccaaatac 3720
tttactaaa tacttgcatg agaagaaact cttaatggta ataacatgta gaggtagacc 3780
tgtccctgta agtttggaag tggaaatcta agagatgctt agacttgca ggcagcatat 3840
aaacacaggt ttaatcctca gggtaggtga actgtagcac ggtggactgt agccacaatg 3900
tgagtcaccc ttcatgggga tatgcggttg gaacacgacc tcctctaccc ccacagaact 3960
gcagtacat ctgtgactgt catctgcaga taatacaata actcttgaag cagtcaccct 4020
actttagggg gaggtggcaa gggatgggga ggggtgggtg gagattggga aagacctaac 4080
aaacaccttt gataagagag attagggaaa tctccagaaa ttaatttgga gaaaatgagt 4140
tcctatggct aaaccagtta agattatcag ggtgttttat taggaagtca atatataatg 4200
ttactgcaca gtcccttgca cagactactt tgaaaataat caccttcaac atgaagctga 4260
gggacaaaga gaatgcaaag tcattcctgg agaaggtgat tgcggtagca gcaagaactc 4320

ggggtggggg tgggggggag gaggtgcatc aaggaaaaat aatggtcgat caaaaagcat 4380
ttttaaatac taacaccttc cctaattcca atctcaccta cttccctatg ccagccctga 4440
aaaattagat tgttatggta atgtgactga ttttaaatac aagatactac gttattaaca 4500
catagttact cctgggtgtt aactggattc tgtcattaaa aatgaaaagg ataccaaagc 4560
aataacataa ttgtgagaga agtgcacaga agcatgggct ttcagttaaa ataaatgggt 4620
ttcaggtgaa aagtcaacac tggcgatttc tgagggggcg agcctcaagg taggaataag 4680
aaagggaac tgtcatcatt ctttattcca actgatcacc ttaaatacat cccaagggt 4740
caccgcgaaa gtatccagtg cagttcagta ggatatagca accccatcag tcctctccta 4800
actccagctc acgtagagac gttaaggggt caggtatcgc agcgaattcg ggatgccgag 4860
ccaacctgcc ccacccacg ggcgccagta ccgccagca ggaaatcgga ggaaaggga 4920
cggcggggaa ggaggggagg cacacaggaa atacagggtg agggggcggg ggagtccaga 4980
agatcagaat caccacagag gatcttcac ctttttacc gtccagacgt cccagggaga 5040
gccagggact agattcgga gatgggacgg cggcagagag aagacagca gctcccagct 5100
gtagccaatc cctgccagg gctgcggctc accgcctct ggcggtgggg accttctagc 5160
ttctggcaac cccaatcat ccgacttact tgtgtcagtt acaaacctgt ccagtgtttt 5220
caccacaacat attagcgagt ttgagggaaa ctctaaaggt ctctcctta ctgactcctt 5280
taatccatt ttgaaaaaga accgaagaac gccggcaccg gccaggcaac tccgcggcca 5340
gccccgcogt caggccccgc ccgctccat cggggtctta ctgctctgg ctcttgccc 5400
cgttttcggg ctgtgtcagg aactttctgg agctctctgg gctcagaggc ggggactggc 5460
tcgtaggaac actcttcaac aaacaaactg cccacccaa gtctccctcc ctctctctgt 5520
taacagccga ccagtctgtg ataacgggaa ggggagacgg tcctgggaga acctggaagg 5580
gccgaaaagg tggaagtgtg ggtgttgtcg ggggaagcgg cggagctggg ggtgcgtaga 5640
taggcgtgag tcagaagcaa cagcctggag gtgagctctc gcaggtcaca ccccccatg 5700
gtgcacgtag agccctggca ttcactcttt actgtcgtcc atggttggtt ctgttcttct 5760
tttatagagc gtggaacgat agggtttatg tgccagcatt gagaggagtc caaagtagaa 5820
agtatgccga catgttagtt caatcaccgg ttccgtaatt acctgtctgg gtgatctggc 5880
caagccacga aacctctgaa cctttgtgct catctttgaa aacagaaagg tttggctgaa 5940
ggactctgcc taaaaatctg aagatagttt ttatggtaaa ccgaaagtat tactatcata 6000
gtcctggtag taatcccaa ccttgtaagc acctcagtaa gaaatgattg agagatgaga 6060

ctcgagagag tgttacttca ataaaagaat gaagggcaca aacttttgag tacaactctg 6120
tcacagccac tgaactagtc ttttaaatat tgtctttgta atccttgatg gtatcatact 6180
atgaaataaa tattaattct aatttataca acttgtgtaa tttagttcat ttacacgtac 6240
ttcattgtta agaaagaaaa acagcttcaa caaggagata gagtccagat acaaaccag 6300
gtcttgccct tcccagtttt tcccccatg ctgctggaaa ttagcagagt tcccaggcct 6360
ttgccacact tccctggtgg atcagagggt gaagaatctg cccacagtgc aagagacctg 6420
ggttctatcc ctgagtagag aagatcccct ggagaaggga atggcgaccc actccagtgt 6480
tcttgtgtgg aaaatcccat gggcagagga gcctggccgg ctacagtcca cggggtcaca 6540
aaggagtcgg acatgactgg gtgactaaca ctgtcaggcc tttgcccttt gaaggttaca 6600
aatgcctggc tcagggtcgc cctggtggct catcggtaaa gaatccgcct gccaatgcag 6660
gagacacagg ttctattcct gatccaggaa gattcccaca tgtcctcgtt ccaaggagca 6720
gctaagcctg tgtgccacaa ctattgagca cgtacagccc attctctgaa acaagagaag 6780
ccaccacaat gagaagcctg cttaccccca actcaactag agaatagcct ctgctcacca 6840
caactagaga aaagcctctg tagcagcaga gatctagcac agccaaaaat aaaatgaaaa 6900
aatgcctggc tctaggtgtc acattgttct cttttgcttc tgtctgaaaa acctagaatt 6960
atactgtctt ttaaaaacaa atagacttga gaaaaacat actagatgaa aaactgtagg 7020
aaaaaggaga gagaacaaaa aaagatcctg caacttcagg gtgaggacgg ctccccccgc 7080
cccaccact tccttcctt ggacagttagc attcttggca gtctctctcc catccccaac 7140
ccttaaattt taccctgtca cccggtcagg cttgggcaac cttaatcttg attcttccaa 7200
acactaaacc cgattttaaa aaactaattc caaatgcat caaataaagt tgtgaaaagt 7260
ctcttgggat tcttaaaatc tccttgtgc tgctgtact aagtcgttc agttgtgtcc 7320
aactctgtgc aacccacag acggaagccc accaggctcc ccaatccctg ggattctcca 7380
ggcaagaaca ctggagtggg ttgccatttc cttctccaat gcatgaaagt gaaaagtga 7440
agtgaagttg ctgaggatc cgactcttag cgaccccatg gactgcagcc taccaggctc 7500
ctccgttcat gggattttcc aggcaagaac actggagtgg gttgccattg ctttctagag 7560
ttacactatt acactcattg atcatatc gaactataca tttgatcaac tgcttcaagt 7620
ctagtcatca tttctgttga aagctcagtc atatacttgg taatacaaga aataataatc 7680
ttgtgaaaca agcaaaatac aaatggtata gttaataaca ttagtggaac taaaaggaga 7740
tattttagcc atgagcctcc cacaccagtt ttttttaaag attgtcaaga ctagggaatg 7800

ggtacttaga gcagaaatct gatttttcat gtggttcaaa tgtgttacat taaaggattt 7860
atcaggtaca aaaatacagc attcagtttg aattatagca cagctatctc cctgagatgc 7920
tgtcaagagt cttgcagttg tgtagcaggg cctttctcat tatagagatc tcagaagtca 7980
ataggtgaat agcctgatta tcatttaaag cttatgaaag ttgttaaggc ttagatatgg 8040
tcaattacat cctccaaccc cattgaaggc atgcacacgc gtgcgcacgc gcgcacacac 8100
acacacacac acacacacgc tgctaaatgg tcatacacca aatctcetta ggcaccaatt 8160
aaaccggtac ctgagttcct gccttgggaa gtgtccagtg ttaaaggaag acaaaattca 8220
agagactctc ctcataggaa atggaaaaga aatacggata tttaggtttc cgggtcatcc 8280
acagagagag acaacgcaa gtgtaggtta atacagtgtg tagctgactg cttgattcat 8340
gaaaaacagc attttcaagt ggctcccca ctctccacc ccagcaacag caagatttga 8400
ggccctatca cctgtctccc tgtcgagcag tggagacaat gatgccctt gcttcaagcc 8460
aatagaggaa gagaactgca aattttggag aggagagcga atccagaatt cctgctggta 8520
gcagctgatg ggggagaagg caatggcaac ccactccagt gttcttgccct ggagaatccc 8580
agggacgggg gagcctgggtg ggctgctgtc tctggggtcg cacagagtcg gacacaactg 8640
aagtgactta gcagtagcag cagcagctga tggtagaggaa gacaggggag aggggatgag 8700
gttaaggact tctctggagg tgaacacttc tctggaagtg ttcacaaact ggggtggctaa 8760
gatggacgtt tggggaatcc cctttcagat actgcataaa gagatggaaa attcctgaag 8820
tttaaccagt ttgactagat taaggagggtg attcattgga gagccacacc tgaatgtaaa 8880
aaaagttatc acctacctgc acagtgaaag ataaaaatat tgctttaaca aatctgtata 8940
tctgattaac ctgaacaaat tataaaataa actgaatacc ctgagatttc aggaagagggt 9000
gtttgatgaa tggctgtgcg cgcgcgcgcg cgtgtgtgtg tacgtgtgta aacgtcagtt 9060
aagcaaaagt gttcaaagcg agatttcttc cctttatcag aaattgcctc ctcagggtact 9120
tctctgggtg tccagaaggg ctaagactct gtagaggaga atgcaggcgg cctgggttcg 9180
atctctggtc aagaaaatag atcccacatg ctacaactaa gattgaccat gctacaacta 9240
aggcttagct attaatTTTA aaacaacaac aacaaaaccc cacaactgcc tcctccgact 9300
tgtgctgtta tgTTTTctat gctcaagaca tgtggataca gtaatgagtc tatttcatgg 9360
gttgtgaatc cccttacta tggctttaat gtccctcaca ttttacttt aggtgcctaa 9420
taagggtatct tgcattgccc ataaaggaag aagaaacaaa agccaaaata aattacaaa 9480
tgtcactgta tttaaaacag gaaggaggct aacaacagaa agctgaaatc taggataaaa 9540

agttaaatgg acgaattaag tacacagcaa acaacctgaa cttttagagg agatagaacc 9600
 taggtcctgc caacctttct caccttccag catcattcca gactgtttac aatgggccac 9660
 ccgccaacca actatatagc atgctcttca aacaggactg aacgctcccc cccccccacc 9720
 ctgcgaggct caccaccaca ccacatttac ttaaaagtag tggacagcct aggagccgca 9780
 aatgacaagg cagaagaccg aattcgggac tcaggttaat ccaggcacca ctgatcatcc 9840
 gaggtgaac caggaattta aaaggcacag aggaggggag ggggtgcgtcc gcacctgggg 9900
 ctgggaaaga tgaggaatcc ggagaagcgc aaaggacagc taaatatcta tggaaaatat 9960
 tttctttctc aagcccagtc cagcccagag agaaaggag cagctctggg cggggacagg 10020
 ggcgctgtgg ctccagccct gcccttccca cgctcccccg accgagcagg tcccttctaa 10080
 ggcggtggga accttctaca atctaaaaac catataccta attgattttc ttctgaaaat 10140
 taaaatttcc cctcccatct gaatagggct aaagaggagc caaaacttaa acagcttcaa 10200
 ctctctcctt ttccttccca ttttaaaaat aagatgggaa aagcgccgcg gatgaccaag 10260
 gcatttctcg gacagcccgg ccgctcggcg agccagccca aacgtggctg cttccatcag 10320
 cgttagcctc cgatcactct ccttggccca cagatagcca accctcttcg agaaactcgg 10380
 gaactttctg tattttggct gtcccggcag tcgtgtagcc cttaattcta ctttaaacca 10440
 ccaaactaat ttgagccccg agatcctctc accgccctac aattaattac aagcccaggg 10500
 ctgatccttc cagtcgactc caaactactt ggctggctgg tcgccaggaa accagagaca 10560
 gagtgggtgg accttccag cccctctccc cctctcctta ggactcctgt ttcctccagc 10620
 gaatcctaga agagtctgga gagttctggg aggagaggca tccagggcgc tgattggttc 10680
 cagaaagcca gggggcagga cttgaggcga aaccctgga atattcccga cctggcagcc 10740
 ccaactgagct cggtcattgg ctgacgaagg gaaaaggcgg cggggcttga tgaagaatta 10800
 taaacacaga gccgcctgag gagaaacagc agcctggaga gagctgataa aacttacggc 10860
 ttagtccgtg agagcagctt ccgcagaccc gctatctcca aggaccgccc cgagggggcac 10920
 cagagcggtc agttttcggg ttccgaaaag cccgagcttc tcgtcgcaga tcctcttcac 10980
 cgatttcagg tttgaagctt atctcggagc cggaagca gggcaccggc atggcgaaaa 11040
 acacagctat cggcatcgac ctgggcacca cctactcctg cgtaggggtg ttccagcacg 11100
 gcaaggtgga gatcatcgcc aacgaccagg gcaaccgcac ccccccagc tacgtggcct 11160
 tcaccgatac cgagcggctc atcggagatg cggccaagaa ccaggtggcg ctgaaccgc 11220
 agaacacggt gttcgacgcg aagcggctga tcggccgcaa gttcggagac ccggtgggtgc 11280

agtcggacat gaagcactgg cttttccgcg tcatcaacga cggagacaag cctaaggtgc 11340
 aggtgagcta caagggggag accaaggcgt tctacccgga ggagatctcg tcgatggtgc 11400
 tgaccaagat gaaggagatc gccgaggcgt acctgggcca cccggtgacc aacgcggtga 11460
 tcaccgtgcc ggcctacttc aacgactcgc agcggcaggc caccaaggac gcgggggtga 11520
 tcgcggggct gaacgtgctg aggatcatca acgagcccac ggccgccgcc atcgccctacg 11580
 gcctggacag gacgggcaag ggggagcgca acgtgctcat ctttgatctg ggagggggca 11640
 cgttcgacgt gtccatcctg acgatcgacg acggcatctt cgaggtgaag gccacggccg 11700
 gggacacgca cctgggcggg gaggacttcg acaacaggct ggtgaaccac ttcgtggagg 11760
 agttcaagag gaagcacaag aaggacatca gccagaacaa gcgggccgtg aggcggctgc 11820
 gcaccgcatg cgagcggggc aagagaacct tgtcgtccag caccaggcc agcctggaga 11880
 tcgactccct gttcgagggc atcgacttct acacgtccat caccaggcg cggttcgagg 11940
 agctgtgtc cgacctgttc cggagcacc tggagcccgt ggagaaggcg ctacgcgacg 12000
 ccaagctgga caaggcgag atccacgacc tggctctggt ggggggctcc acccgcatcc 12060
 ccaaggtgca gaagctgctg caggacttct tcaacggcg cgacctcaac aagagcatca 12120
 accccgacga ggcggtggcg tacggggcgg cgggtgcaggc ggccatcctg atgggggaca 12180
 agtcggagaa cgtgcaggac ctgctgttgc tggacgtggc tcccctgtcg ctgggactgg 12240
 agacggccgg aggcgtgatg accgccctga tcaagcgcaa ctccaccatc cccacgaagc 12300
 agacgcagat cttcaccacc tactcggaca accagccggg cgtgctgatc cagggtgtacg 12360
 agggcgagag ggccatgacg cgggacaaca acctgctggg gcgcttcgag ctgagcgga 12420
 tcccgcggc cccgcggggg gtgccccaga tcgaggtgac cttcgacatc gacgccaatg 12480
 gcatcctgaa cgtcacggc acggacaaga gcacgggcaa ggccaacaag atcaccatca 12540
 ccaacgacaa gggccggctg agcaaggagg agatcgagcg catggtgcag gaggcgga 12600
 agtacaaggc ggaggacgag gtccagcgcg agagggtgtc tgccaagaac gcgctggagt 12660
 cgtacgcctt caacatgaag agcggcgtg aggatgagg gctgaaggc aagatcagcg 12720
 aggcggacaa gaagaaggtg ctggacaagt gccaggaggt gatttcctg ctggacgcca 12780
 acaccttggc ggagaaggac gagtttgagc acaagaggaa ggagctggag cagggtgtgta 12840
 accccatcat cagcagactg taccaggggg cgggcggccc cggggctggc ggctttgggg 12900
 ctcaggcccc taaagggggc tctgggtctg gccccacat tgaggaggtg gactaggggc 12960
 cttacttttt gtctgtctgt agtagacc 12988

<210>2

<211>20

<212>DNA

<213>Artificial Sequence

<223> Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

<400>2

aaccccatca tcagcagact 20

<210>3

<211>21

<212>DNA

<213>Artificial Sequence

<223> Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

<400>3

cacagaagca aacatcactc g 21

<210>4

<211>20

<212>DNA

<213>Artificial Sequence

<223> Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

<400>4

gcattgccca taaaggaaga 20

<210>5

<211>20

<212>DNA

<213>Artificial Sequence

<223> Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

<400>5

tggaaggtga gaaaggttgg 20

<210>6

<211>19

<212>DNA

<213>Artificial Sequence

<223> Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

<400>6

acgtcgttga tcctgtggg 19

<210>7

<211>19

<212>DNA

<213>Artificial Sequence

<223> Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

<400>7

tatctcggag ccgaaaagg 19

<210>8

<211>29

<212>DNA

<213>Artificial Sequence

<223> Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

<400>8

ggtctactac agacagacaa aaagtaagg 29